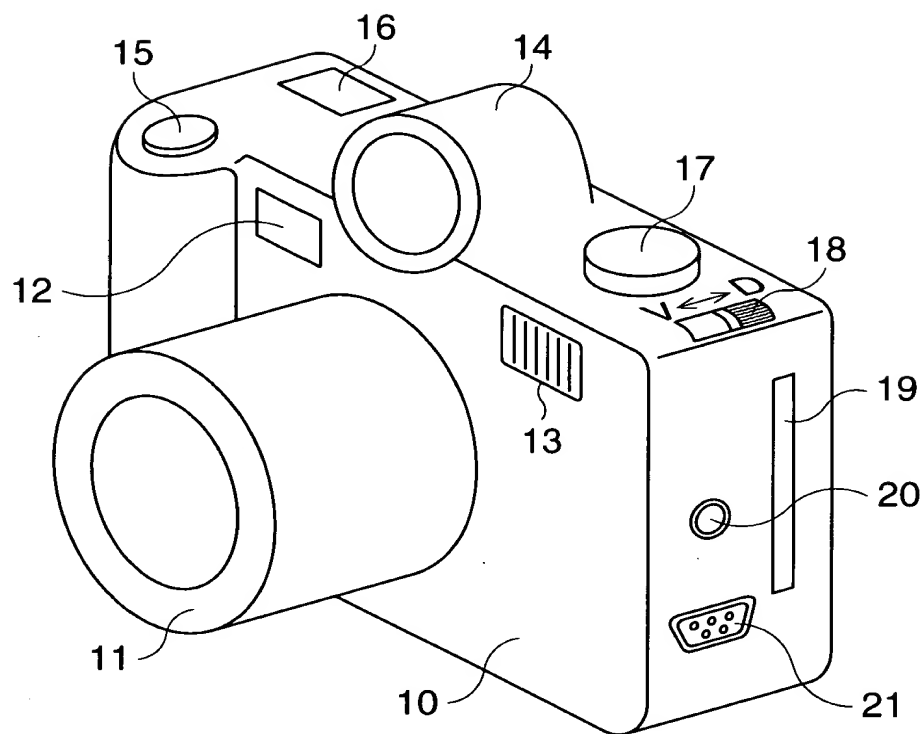
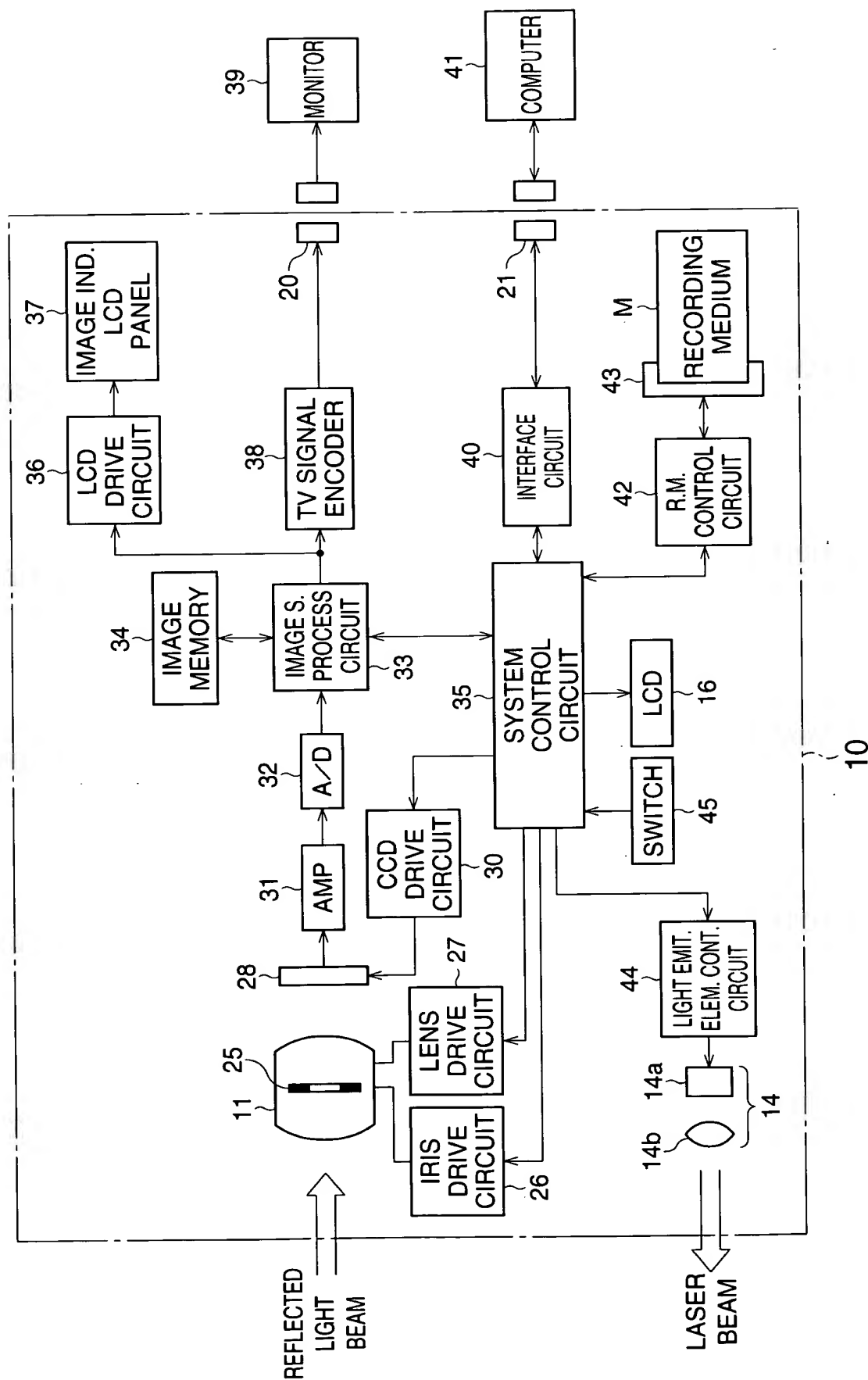


FIG. 1



000090-19063500

FIG. 2



A diagram showing a mechanical system. On the left, a vertical line represents a fixed wall, with a hatched area to its left. A spring, labeled S , is attached to the wall. A horizontal line with arrows at both ends, labeled r , represents the spring's length or displacement. This line connects the spring to a small square block. To the right of this block is a larger rectangular block, labeled B .

FIG. 5

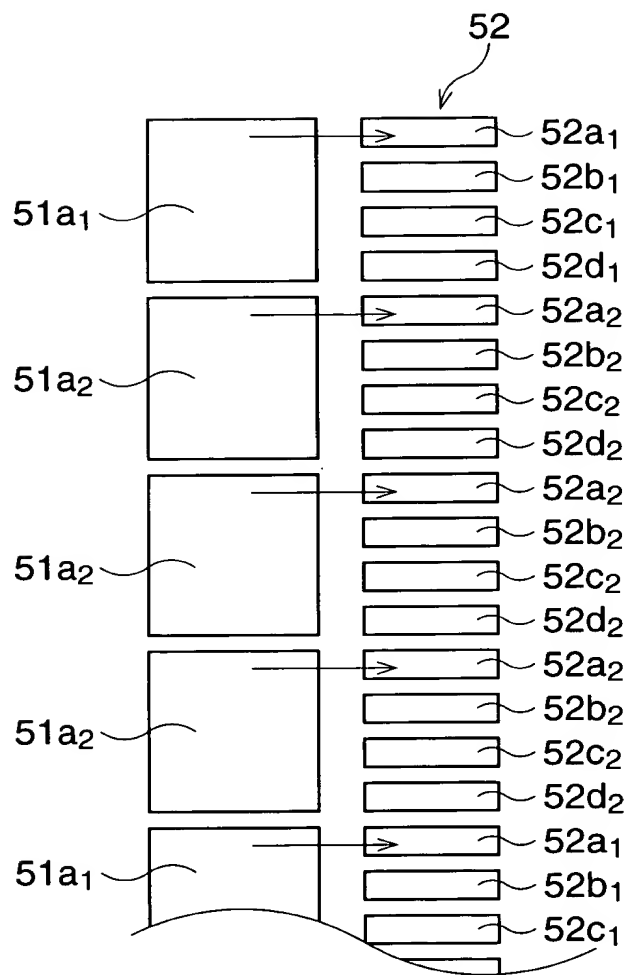
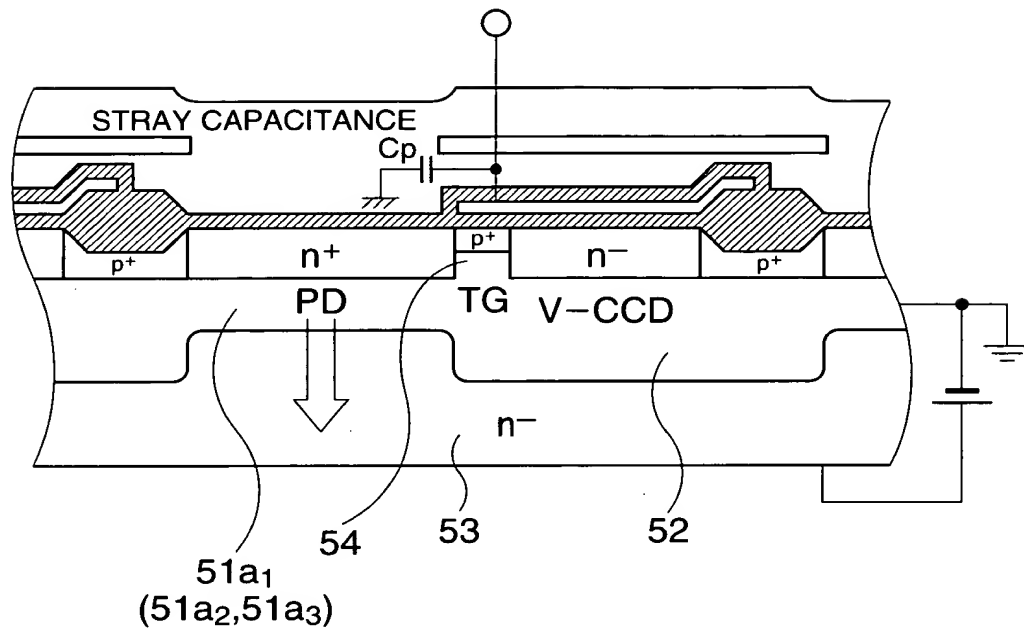


FIG. 6



000000-19000560

FIG. 7

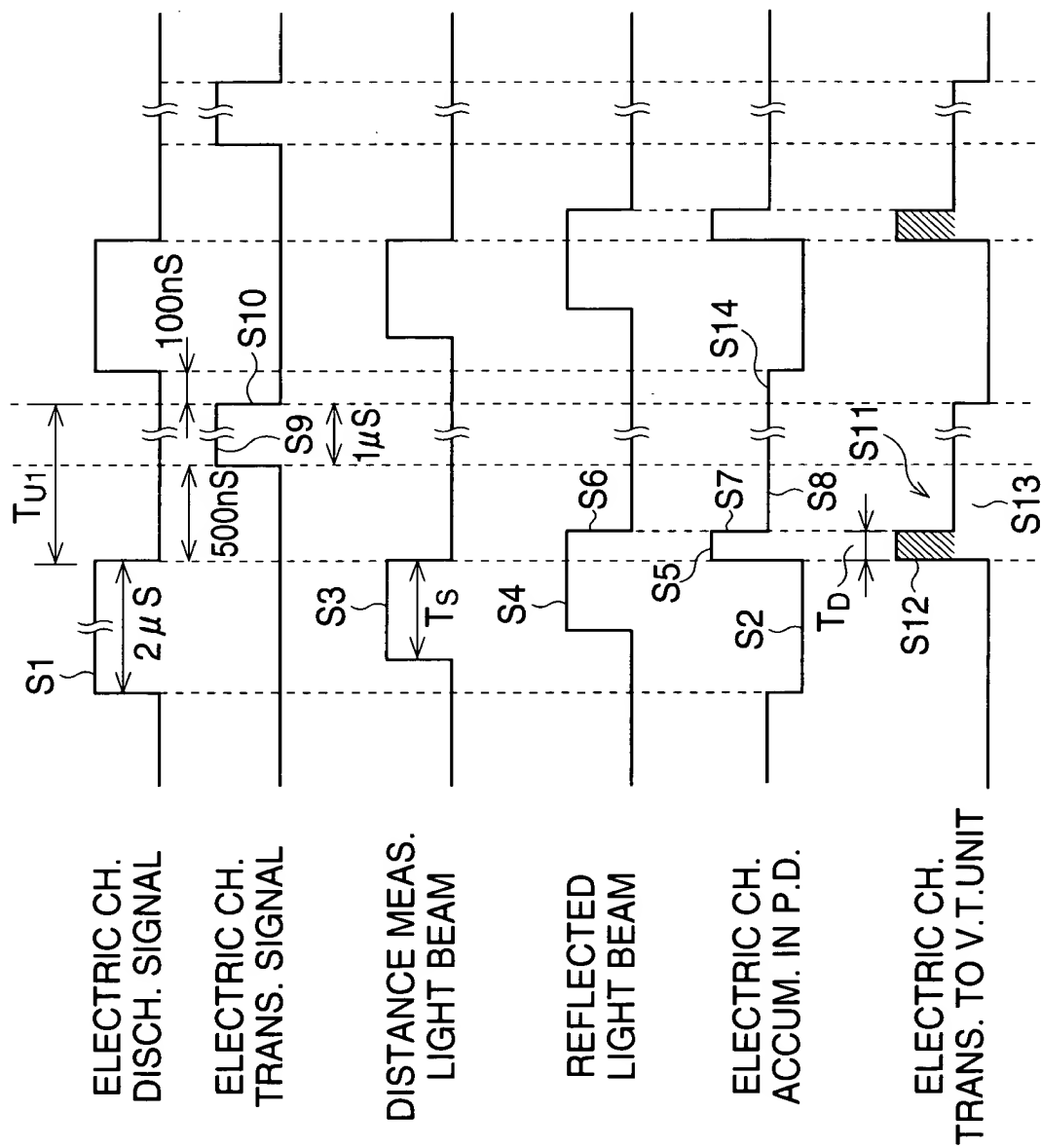


FIG. 8

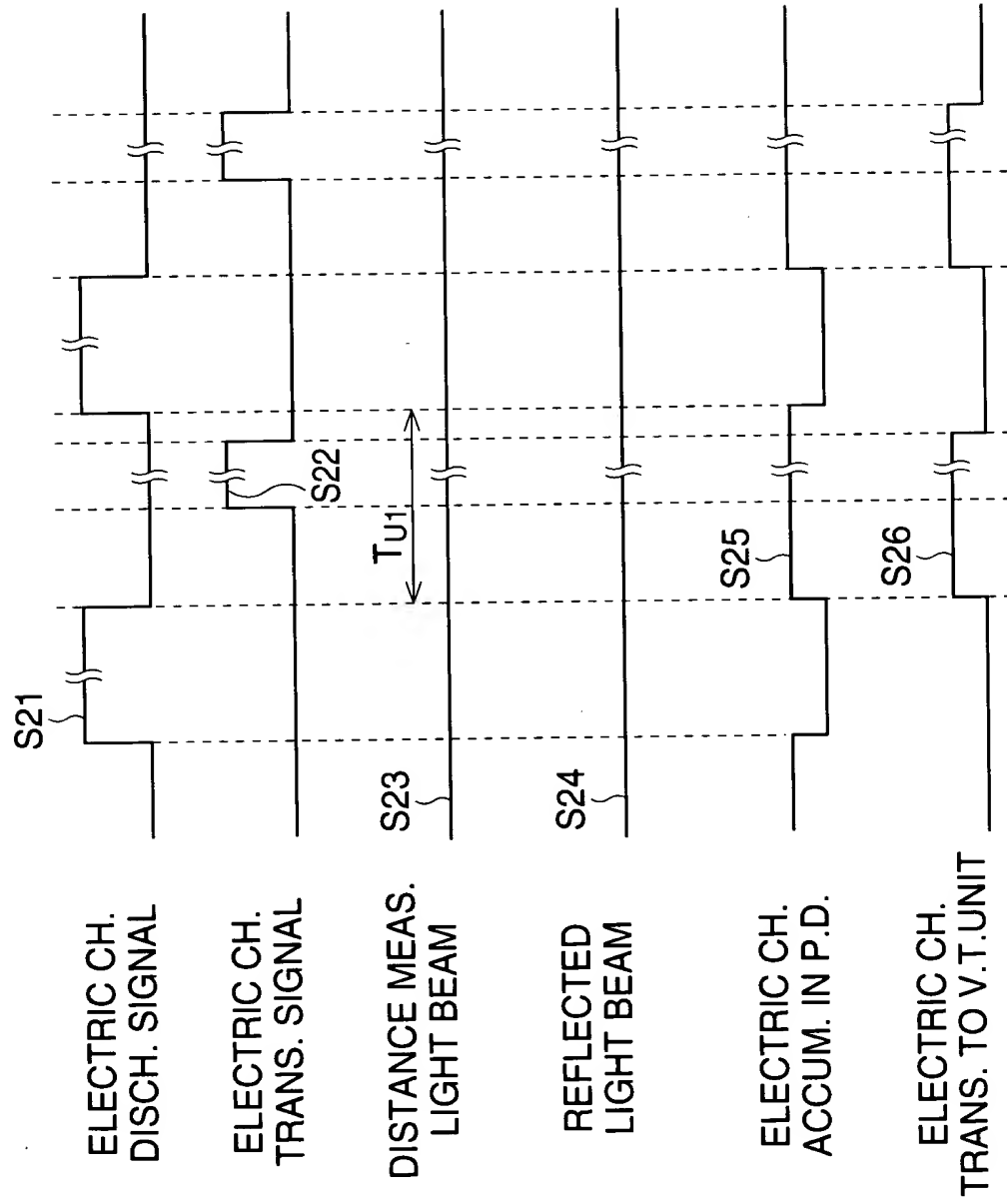


FIG. 10

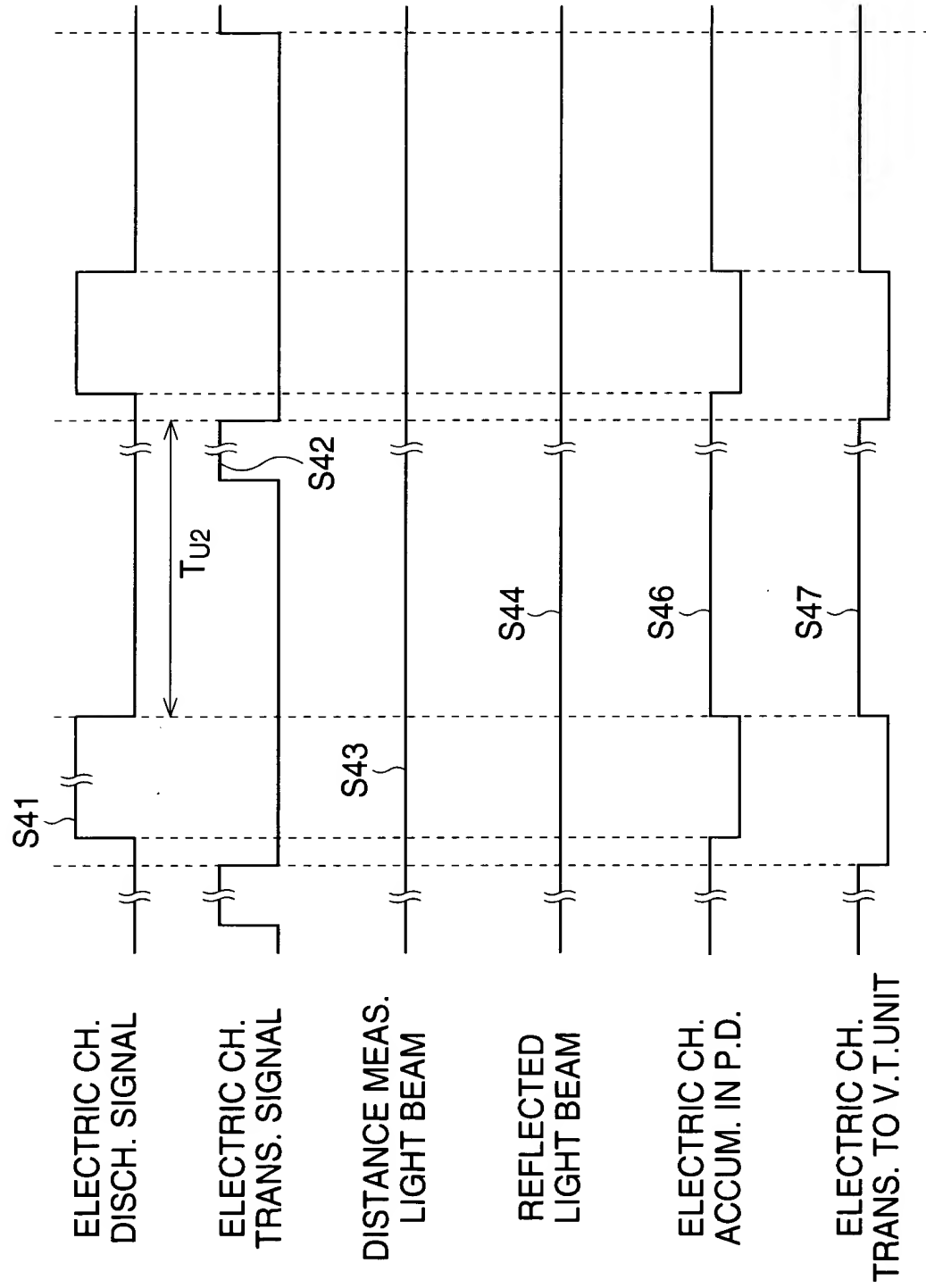


FIG. 11A

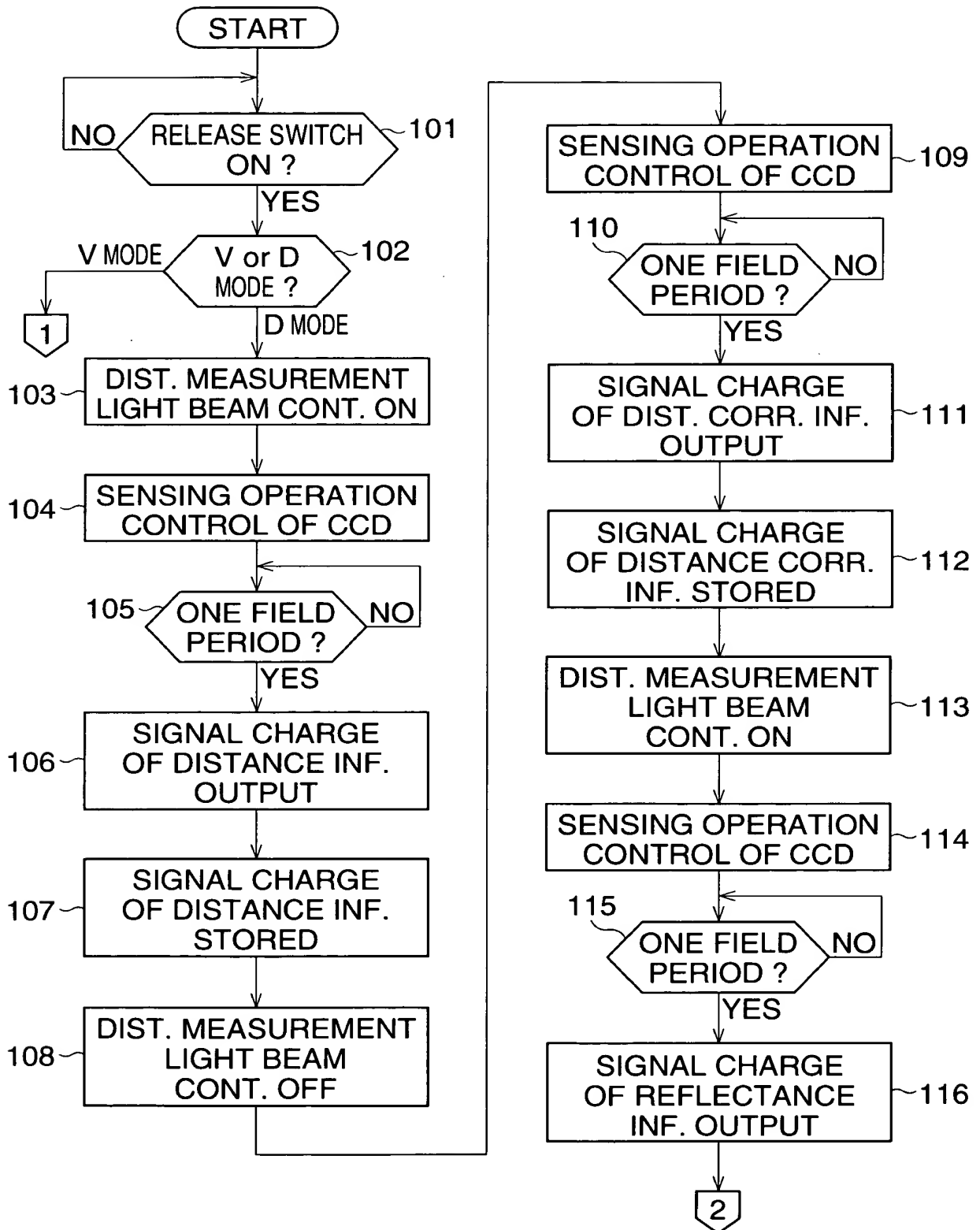
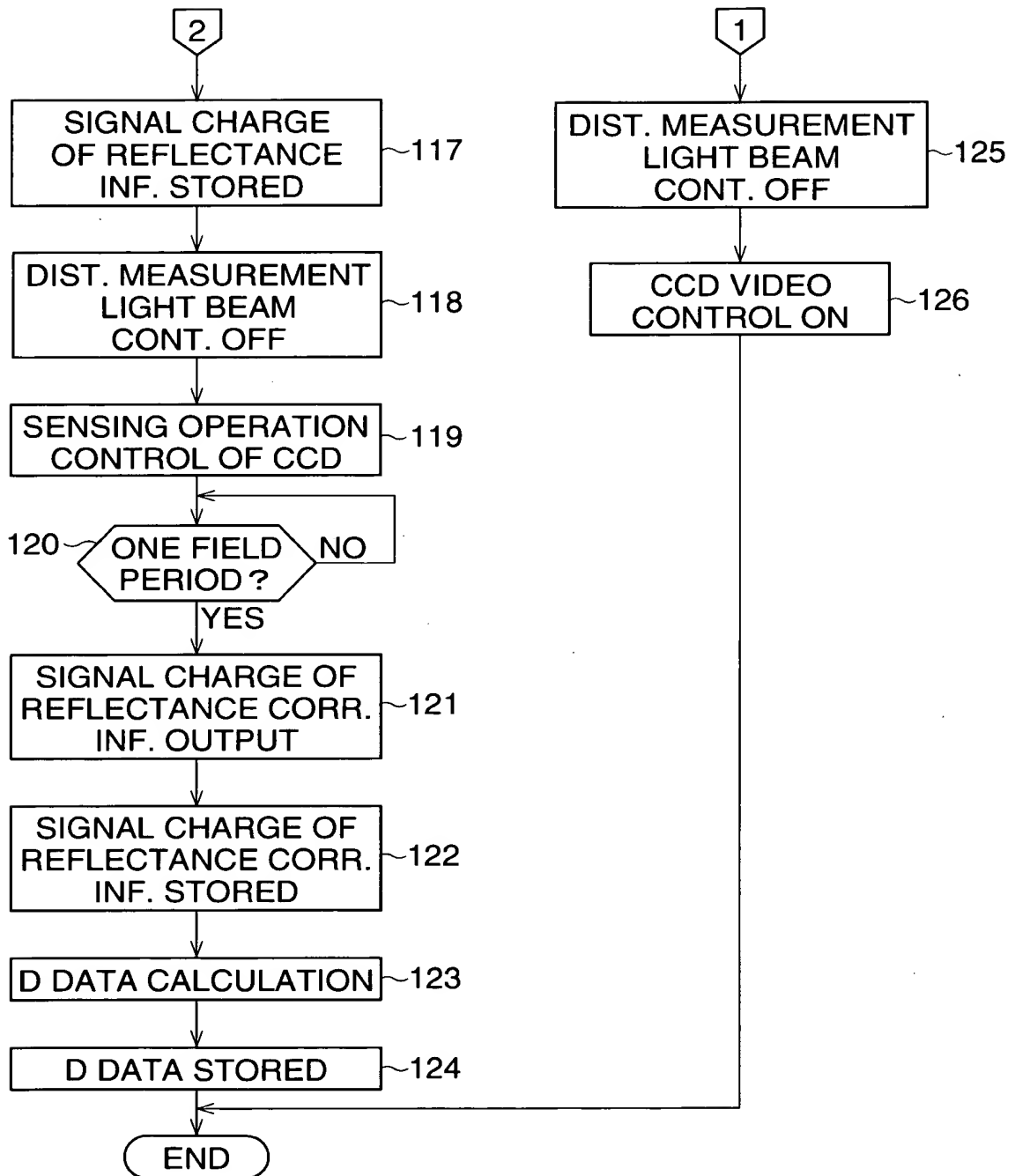


FIG. 11B



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FIG. 12

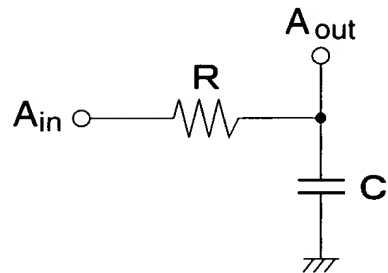


FIG. 13

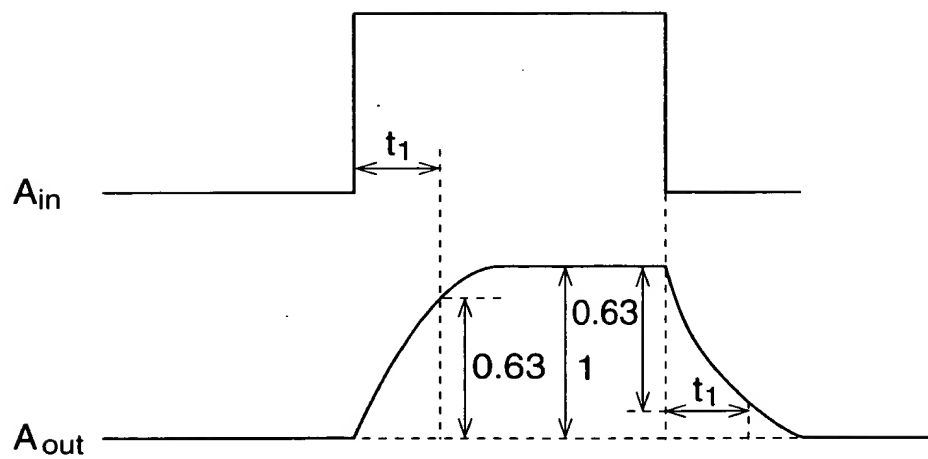
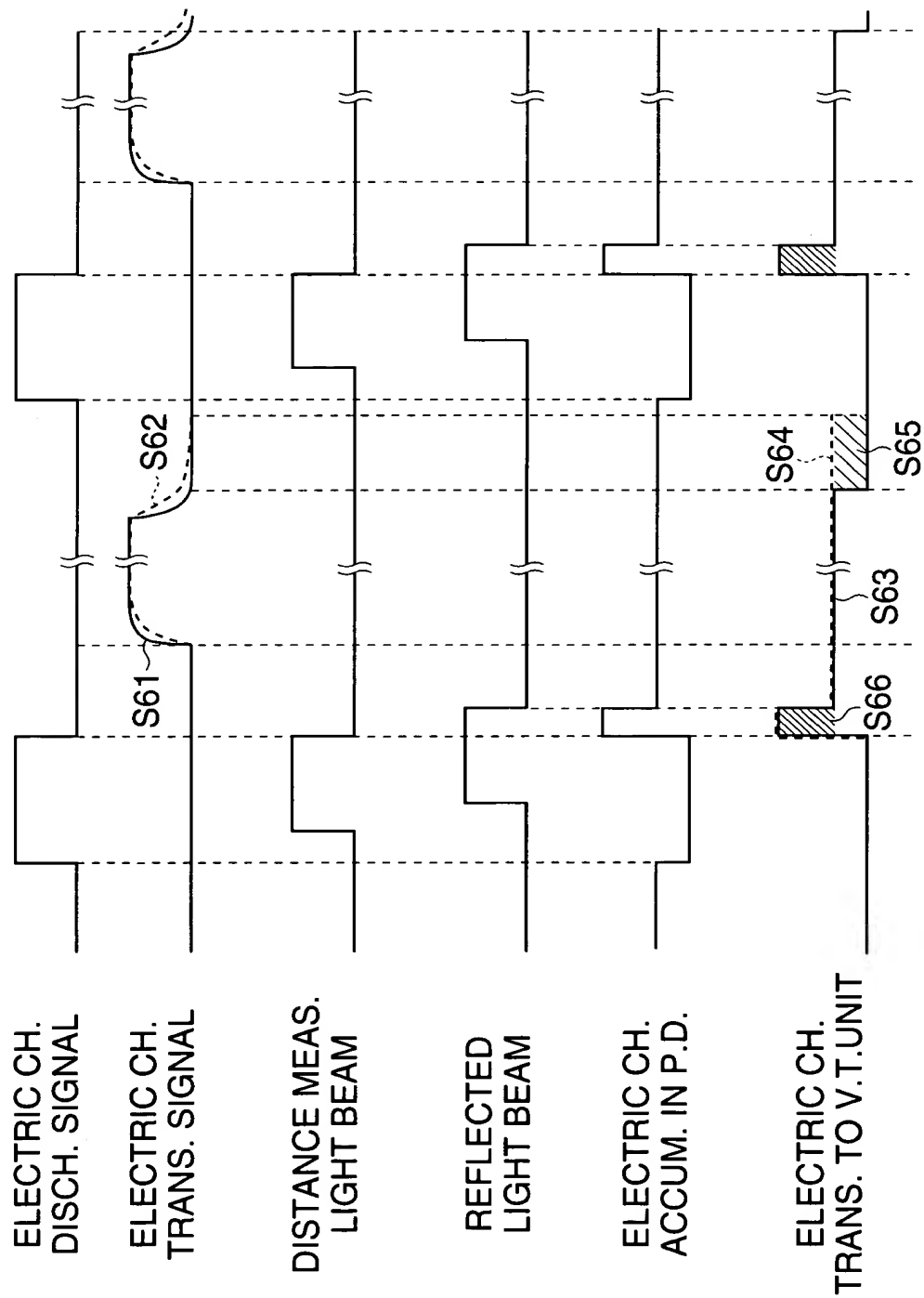


FIG. 14



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FIG. 15

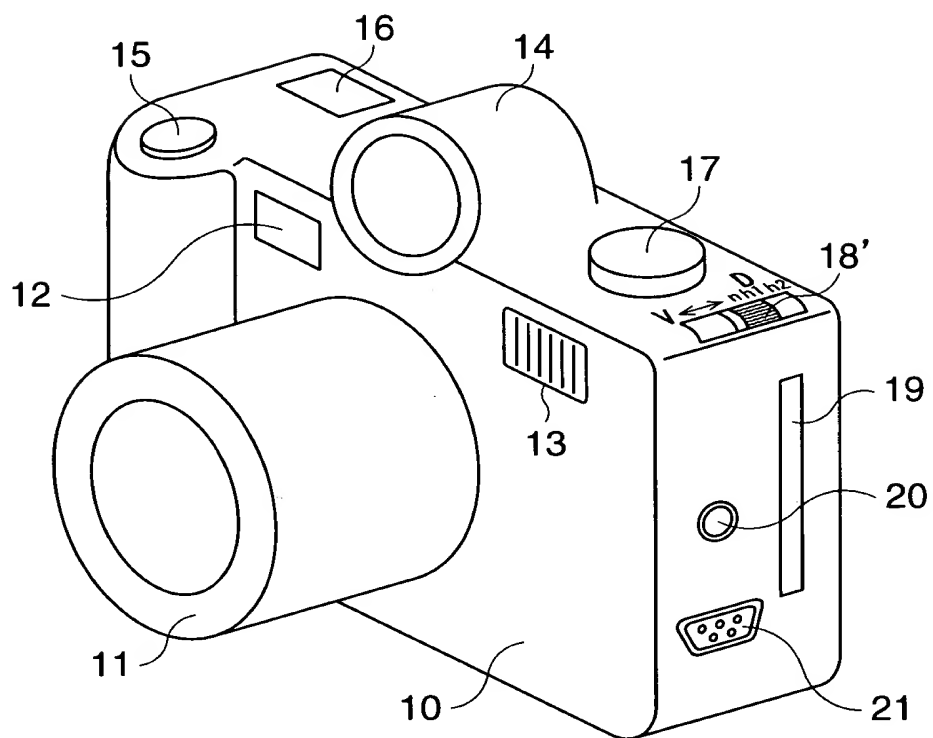


FIG. 16

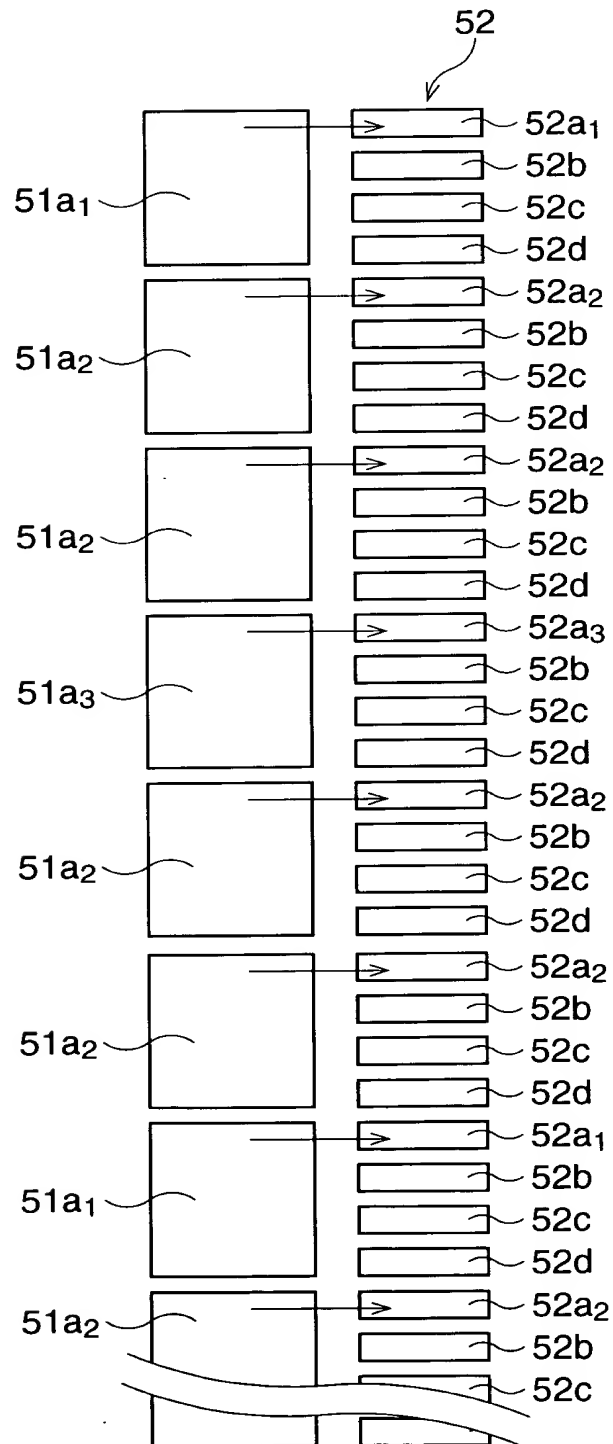


FIG. 17A

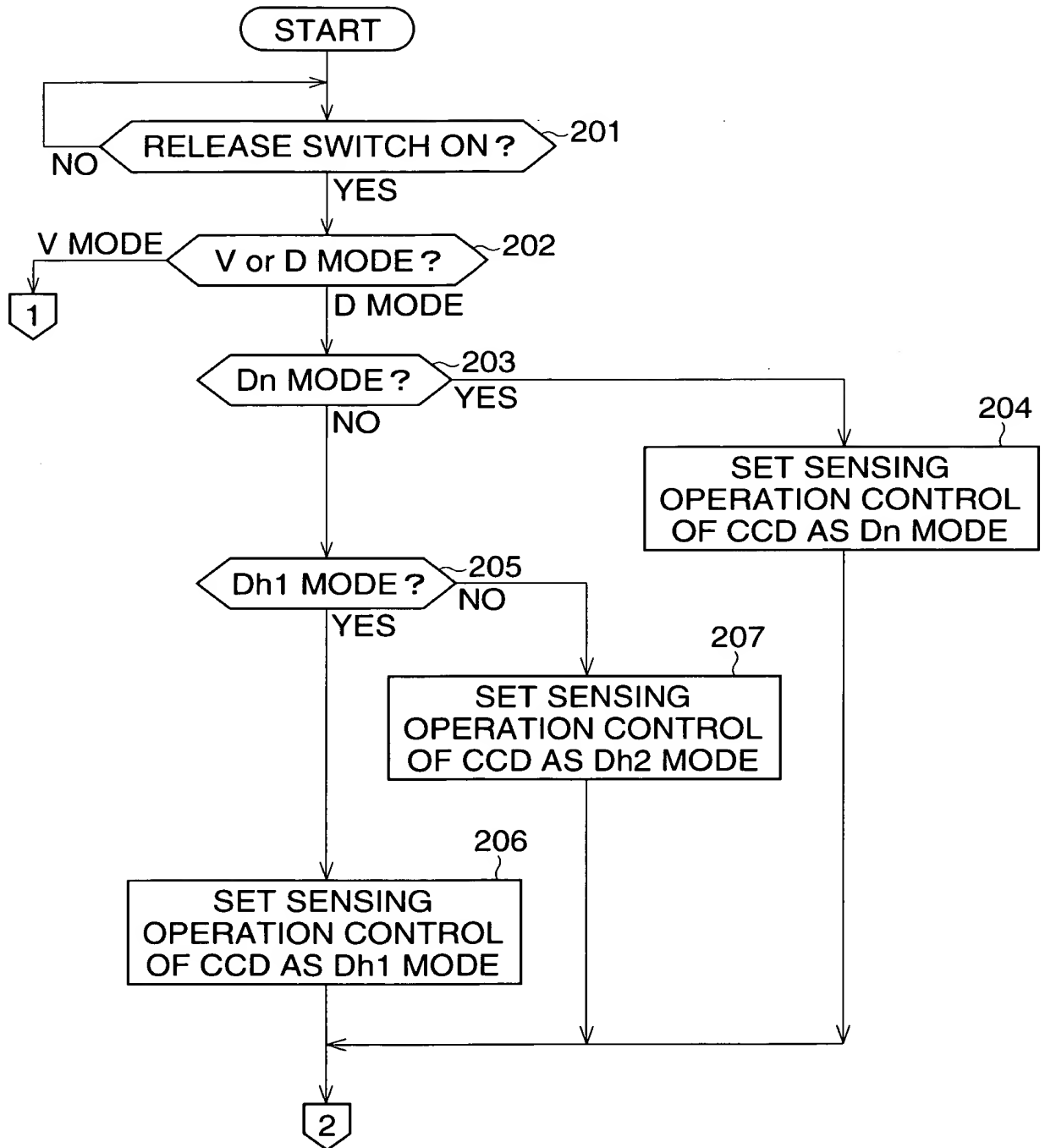


FIG. 17B

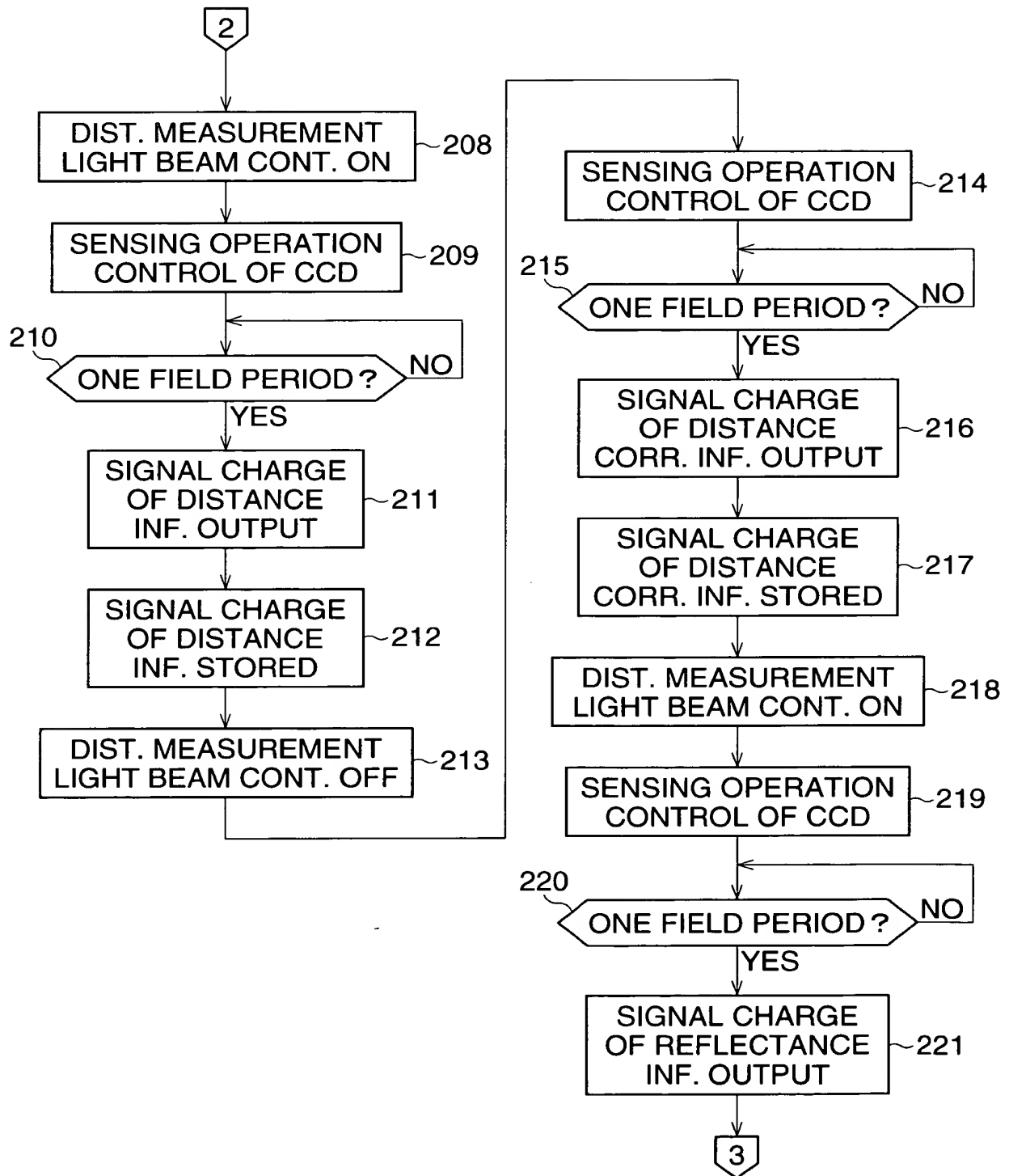


FIG. 17C

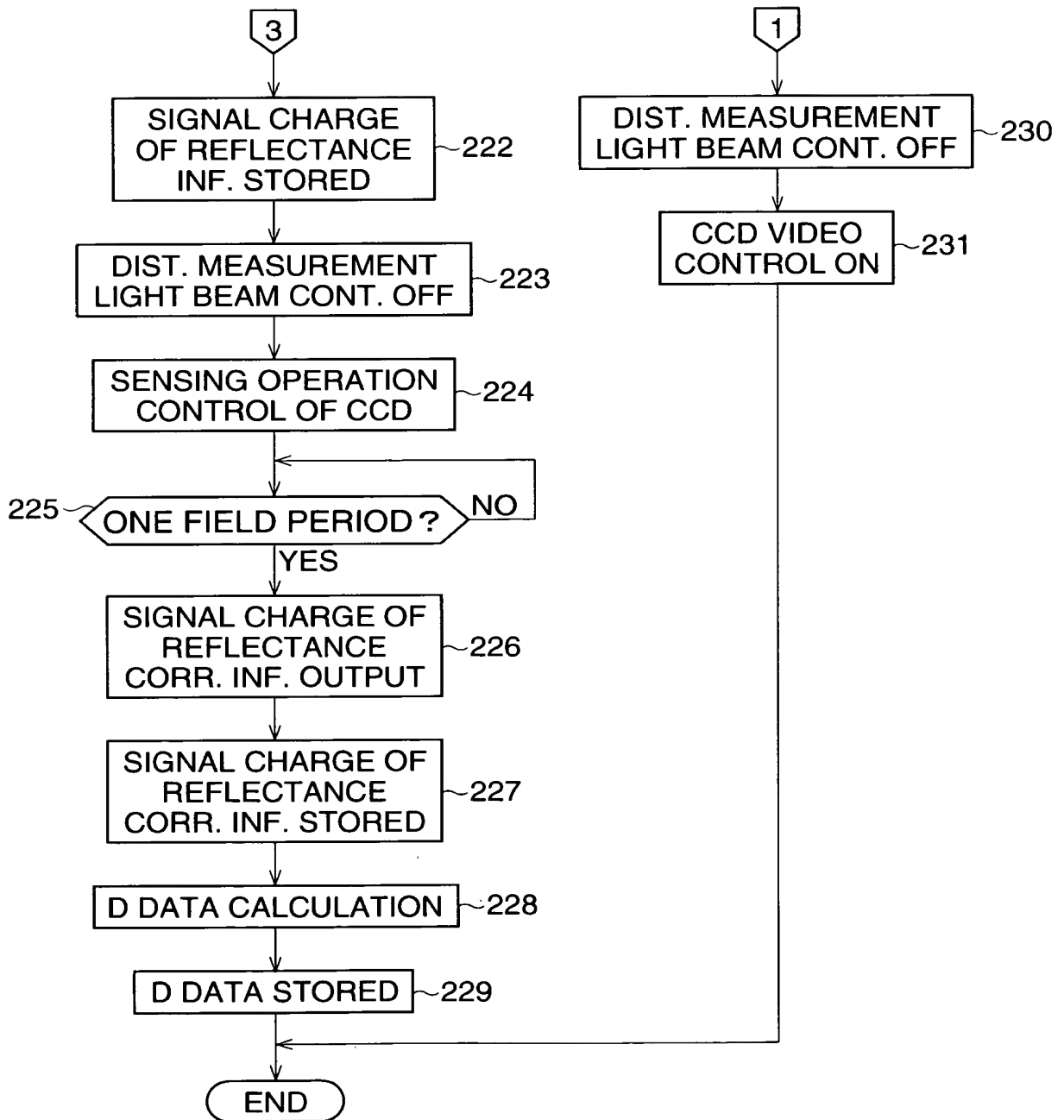


FIG. 18

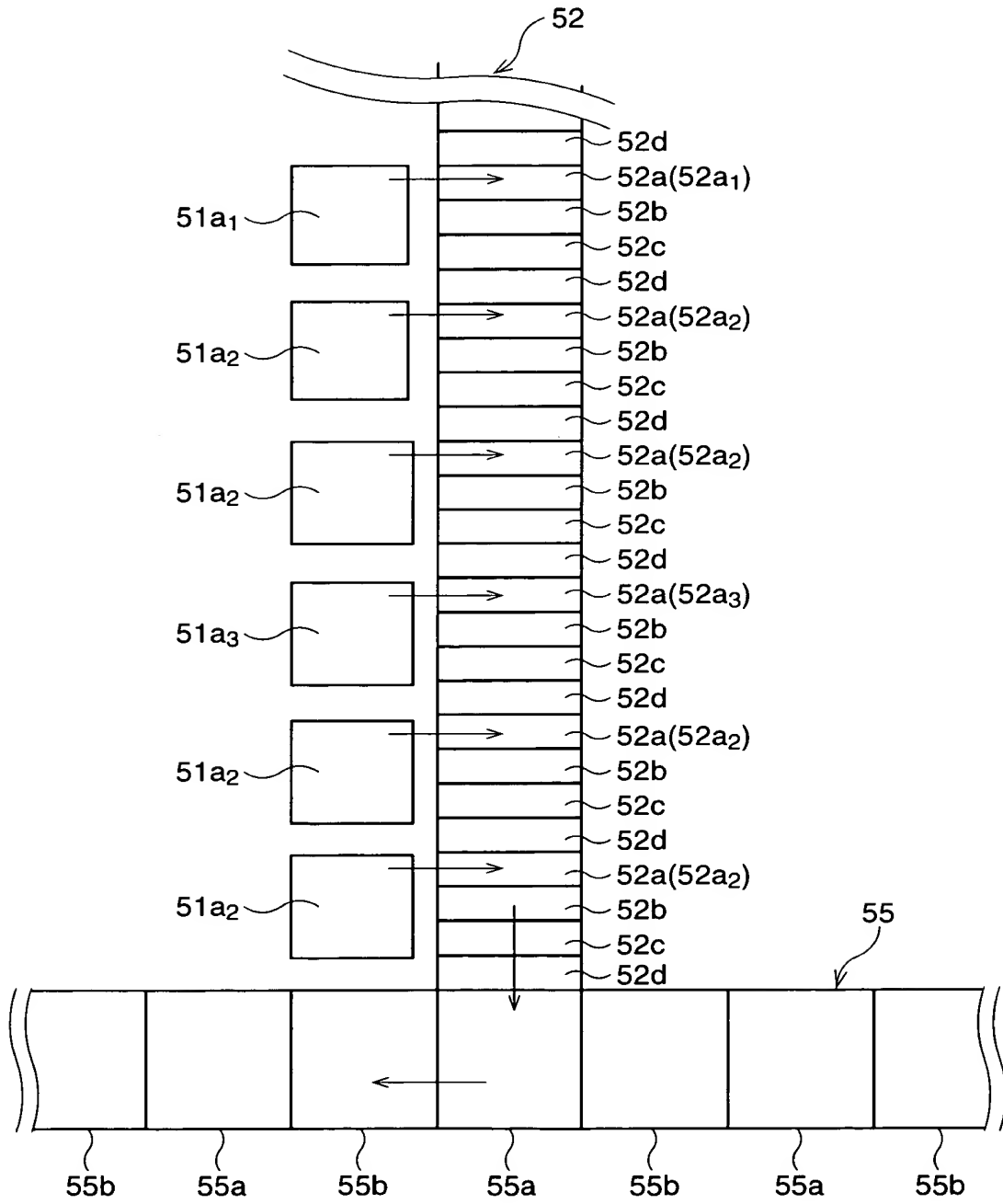


FIG. 19A

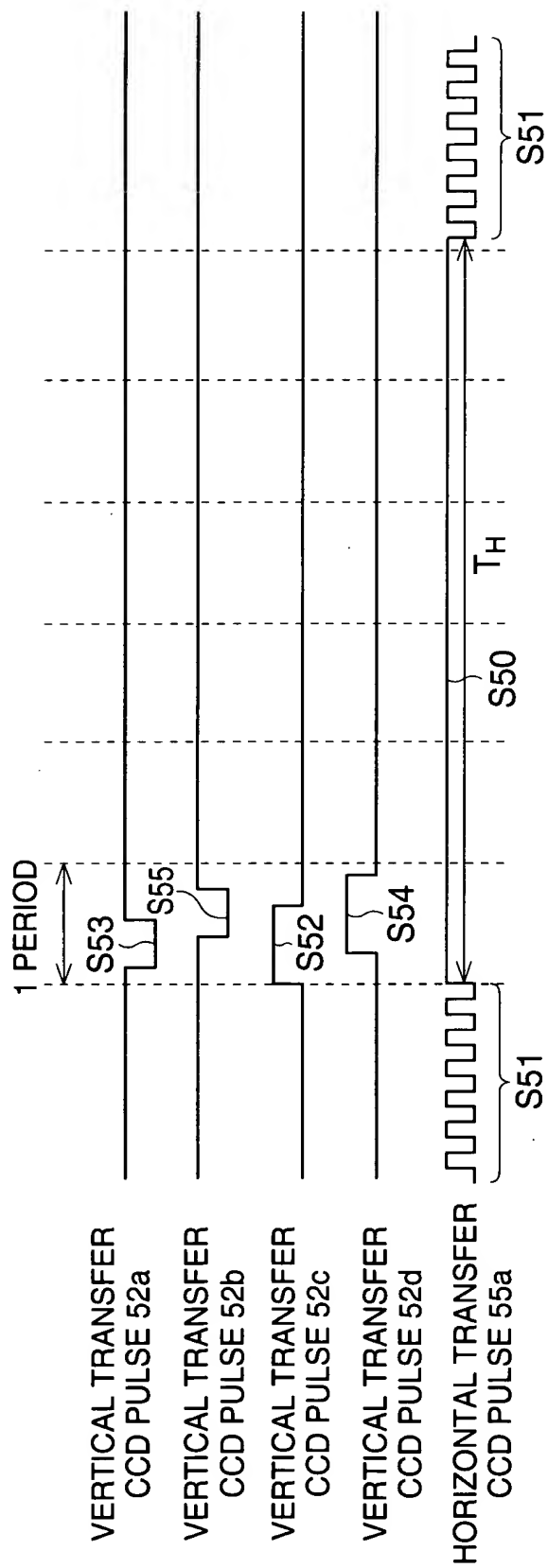


FIG. 19B

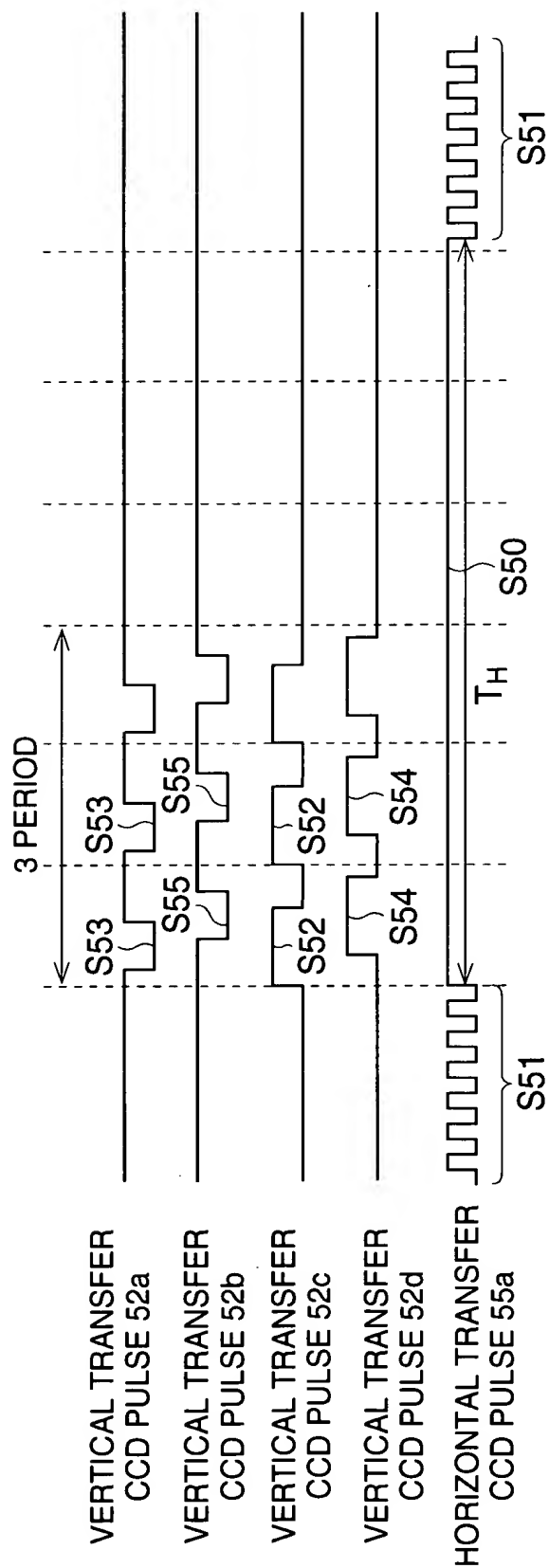
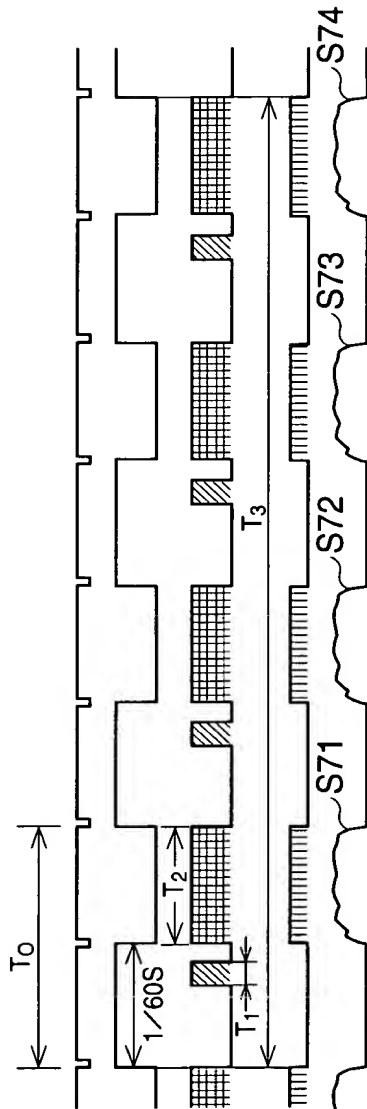


FIG. 20



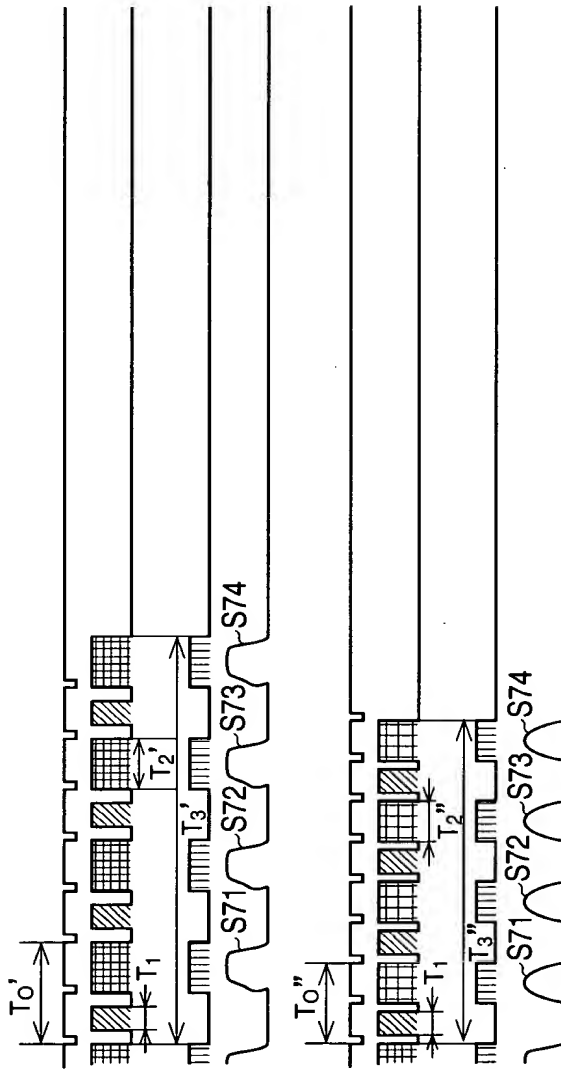
VERTICAL SYNC. SIGNAL

FIELD SIGNAL

VERTICAL TRANS. CCD PULSE

HORIZONTAL TRANS. CCD PULSE

SIGNAL OUTPUT



VERTICAL SYNC. SIGNAL

VERTICAL TRANS. CCD PULSE

HORIZONTAL TRANS. CCD PULSE

SIGNAL OUTPUT

VERTICAL SYNC. SIGNAL

VERTICAL TRANS. CCD PULSE

HORIZONTAL TRANS. CCD PULSE

SIGNAL OUTPUT